SPECIFICATION FOR PORTABLE TYPE FIRE EXTINGUISHERS

1.0 SCOPE:

1.1 This specification provided for manufacture, inspection and testing before despatch, packing and delivery for destination of fire fighting equipments required for BESCOM.

1.2 Portable type fire extinguishers-Composite Fire Extinguishers [ABC Powder type (6kg)

1.3 The fire fighting equipments shall conform in all respects to high standards of engineering, design, workmanship and latest revision of relevant standards at the time of offer and purchaser shall have the power to reject any work or material, which in his judgment, is not in full accordance there with. All the extinguishers offered by the bidder shall be of reputed make and shall be with EN/ISI marked.

2.0 MATERIAL, DESIGN, WROKMANSHIP AND CONSTRUCTION:

2.1 The fire fighting equipments shall be suitable for indoor/outdoor use.

2.2 The portable fire extinguishers shall be complete with handle, bracket (wherever necessary) and other connected accessories. The bracket design shall be such that the extinguisher can be easily removed during the fire emergency.

2.3 Front of the portable fire extinguishers shall be clearly marked with the type of extinguisher capacity, contents and shall have the instructions for operating the extinguishers on its body itself.

2.4 Reputed makes of fire extinguishers shall be offered which is subject to approval of the purchaser. All extinguishers shall be approved by NABL accredited labs/National test house of GOI/ILAC accredited labs/BSI/LPCB.

2.5 All the portable extinguisher shall be of freestanding type and shall be capable of discharging freely and completely in upright position.

2.6 All extinguishers shall be supplied with initial charge and accessories as required.

2.7 The container holding the extinguisher shall be corrosion free and suitable for indoor & outdoor application. All extinguishers shall be painted with durable enamel paint/powder coated of fire red colour conforming to relevant Indian standard/EN standard.

2.8 The minimum lancing distance shall be 5mts or more and the minimum discharge duration shall be 15secs or more.

2.9 The fire extinguishers shall be effective on class A, Class B and Electrical fires.

3.0 TEST:

3.1 All type tests and routine/acceptance tests shall be conducted as per relevant IS/EN.

3.2 TYPE TESTS:

3.2.1 Bid shall contain the type test certificates as per relevant IS/EN not old than 5 years in respect of fire fighting equipments from the date of bid opening.

3.2.2 In case the fire fighting equipments offered has already been type tested the bidder shall furnish four sets of type test reports along with the offer.

In case these type tests are conducted earlier than five years, all the type tests as per the relevant standards shall be carried out by the successful bidder in the presence of owner's representative at free of cost in any of the NABL accredited labs/National test house of GOI/ILAC accredited labs/BSI/LPCB.

The owner reserves the right to demand repetition of some or all the type tests in the presence of his representative in any of the NABL accredited labs/National test house of GOI/ILAC accredited labs/BSI/LPCB. For this purpose, the bidder may quote unit rates for carrying out each type test. The prices quoted by the bidder towards conductance of the type tests and additional tests shall be taken into consideration for bid evaluation. For any change in the design/type already type tested and the design/ type offered against this specification, the purchaser reserves the right to demand repetition of tests without any extra cost.

4.0 PAINTING:

Each fire extinguisher shall be painted with durable enamel paint/powder coated of fire red colour conforming to relevant Indian Standard/EN standard.

5.0 GURARANTEED TECHNICAL PARTICULARS:

Sl. No.	TECHNICAL DETAILS	ABC Powder Type
1	Capacity	6Kgs
2	Extinguishing Media	ABC Powder
3	Operating Temperature	-30 deg C to +60 deg C
4	Fire rating	Class A, Class B, Class C and Live electrical Fire/non conductive
5	Characteristics performance requirements and test methods of portable fire extinguishers	EN 3-7 +A1 : 2007 & EN 3-8: 2006/IS with latest amendment
6	Propellant (MAP shall be declared by	To be specified by the manufacturer/bidder.

	the bidder)	ABC POWDER
7	Cylinders/Vessel Material	Composite Cylinder
8	Liner Materials type	Non Metallic
9	Min. Lancing distance	5Mtrs or more
10	Min. discharge duration	15 Sec or more
11	Hose burst pressure	As per BS EN 3-7: 2004+ A1:2007
12	Service Pressure	To be specified by the manufacturer/bidder
13	External Paint	Fire Red Colour conforming to relevant IS/EN standard
14	Warranty	12 months from the date of satisfactory installation/demonstration of equipment.
15	Spare parts supports	10 years
16	Weight of filled portable Fire Extinguisher	..... kgs (To be specified by the manufacturer/bidder)
17	Corrosion guarantee for vessel body	10 years
18	Suitable for Class –A fire ratings	43A
19	Suitable for Class-B fire ratings as per EN 3-7	233B

General Manger(Ele)
Q,S&S, BESCOM

SPECIFICATION FOR PORTABLE TYPE FIRE EXTINGUISHERS

1.0 SCOPE:

1.1 This specification provided for manufacture, inspection and testing before despatch, packing and delivery for destination of fire fighting equipments required for BESCOM.

1.2 Portable type fire extinguishers-Composite Fire Extinguishers [ABC Powder type (9kg)

1.3 The fire fighting equipments shall conform in all respects to high standards of engineering, design, workmanship and latest revision of relevant standards at the time of offer and purchaser shall have the power to reject any work or material, which in his judgment, is not in full accordance there with. All the extinguishers offered by the bidder shall be of reputed make and shall be with EN/ISI marked.

2.0 MATERIAL, DESIGN, WROKMANSHIP AND CONSTRUCTION:

2.1 The fire fighting equipments shall be suitable for indoor/outdoor use.

2.2 The portable fire extinguishers shall be complete with handle, bracket (wherever necessary) and other connected accessories. The bracket design shall be such that the extinguisher can be easily removed during the fire emergency.

2.3 Front of the portable fire extinguishers shall be clearly marked with the type of extinguisher capacity, contents and shall have the instructions for operating the extinguishers on its body itself.

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2.5 All the portable extinguisher shall be of freestanding type and shall be capable of discharging freely and completely in upright position.

2.6 All extinguishers shall be supplied with initial charge and accessories as required.

2.7 The container holding the extinguisher shall be corrosion free and suitable for indoor & outdoor application. All extinguishers shall be painted with durable enamel paint/powder coated of fire red colour conforming to relevant Indian standard/EN standard.

2.8 The minimum lancing distance shall be 5mts or more and the minimum discharge duration shall be 15 secs or more.

2.9 The fire extinguishers shall be effective on class A, Class B and Electrical fires.

3.0 TEST:

3.1 All type tests and routine/acceptance tests shall be conducted as per relevant IS/EN.

3.2 TYPE TESTS:

3.2.1 Bid shall contain the type test certificates as per relevant IS/EN not old than 5 years in respect of fire fighting equipments from the date of bid opening.

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In case these type tests are conducted earlier than five years, all the type tests as per the relevant standards shall be carried out by the successful bidder in the presence of owner's representative at free of cost in any of the NABL accredited labs/National test house of GOI/ILAC accredited labs/BSI/LPCB.

The owner reserves the right to demand repetition of some or all the type tests in the presence of his representative in any of the NABL accredited labs/National test house of GOI/ILAC accredited labs/BSI/LPCB. For this purpose, the bidder may quote unit rates for carrying out each type test. The prices quoted by the bidder towards conductance of the type tests and additional tests shall be taken into consideration for bid evaluation. For any change in the design/type already type tested and the design/ type offered against this specification, the purchaser reserves the right to demand repetition of tests without any extra cost.

4.0 PAINTING:

Each fire extinguisher shall be painted with durable enamel paint/powder coated of fire red colour conforming to relevant Indian Standard/EN standard.

5.0 GURARANTEED TECHNICAL PARTICULARS:

Sl. No.	**TECHNICAL DETAILS**	**ABC Powder Type**
1	Capacity	9Kgs ABC Powder
2	Extinguishing Media	
3	Operating Temperature	Minus 30 deg C to 60 deg C
4	Fire rating	Class A, Class B, Class C and Live electrical Fire/non conductive

5	Characteristics performance requirements and test methods of portable fire extinguishers	EN 3-7 +A1 : 2007 & EN 3-8: 2006/IS with latest amendment
6	Propellant (MAP shall be declared by the bidder)	To be specified by the manufacturer/bidder.
7	Cylinders/Vessel Material	Composite Cylinder
8	Liner Materials type	Non Metallic
9	Min. Lancing distance	7Mtrs or more
10	Min. discharge duration	15 Sec or more
11	Hose burst pressure	As per BS EN 3-7: 2004+ A1:2007
12	Service Pressure	To be specified by the manufacturer/bidder
13	External Paint	Fire Red Colour conforming to relevant IS/EN standard
14	Warranty	12 months from the date of satisfactory installation/demonstration of equipment.
15	Spare parts supports	10 years
16	Weight of filled portable Fire Extinguisher	..... kgs (To be specified by the manufacturer/bidder)
17	Corrosion guarantee for vessel body	10 years
18	Suitable for Class –A fire ratings	55A
19	Suitable for Class-B fire ratings as per EN 3-7	233B

General Manger(Ele)